Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/31/2021 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123132	-2	2.94	123088	2.95
Blue	F	SSC	125000	123830	-1	3.52	124342	3.40
Blue	E	FITC	14284	13609	-5	3.68	380	13.99
Blue	D	PE	23919	23385	-3	3.33	554	11.52
Blue	B	PerCP-Cy5-5	31332	30458	-3	4.17	869	15.93
Blue	A	PE-Cy7	22272	22033	-2	6.02	461	31.41
Red	C	APC	47768	47079	-2	2.74	1622	11.61
Red	A	APC-Cy7	25313	24659	-3	3.15	698	12.84
Violet	B	V450	7085	6798	-5	3.70	473	11.35
Violet	A	V500	26969	25972	-4	3.26	889	8.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23465	4.52	586	-3	N/A	N/A	Pass
Blue	F	SSC	55140	3.25	523	2	N/A	N/A	Pass
Blue	E	FITC	57	55.60	494	-7	0.0425	78	Pass
Blue	D	PE	107	40.52	492	-5	0.3210	243	Pass
Blue	B	PerCP-Cy5-5	136	42.14	582	-6	0.0174	17	Pass
Blue	A	PE-Cy7	76	83.92	630	-5	0.0214	7	Pass
Red	C	APC	338	27.05	580	0	0.0281	261	Pass
Red	A	APC-Cy7	130	36.37	554	-1	0.0058	1415	Pass
Violet	B	V450	81	46.82	454	-9	0.0600	2432	Pass
Violet	A	V500	104	31.77	465	-9	0.0260	1010	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.51	-31.35	1.07
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.44
Red	14.16	13.60 - 20.40	N/A	N/A	29.69	29.97	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11446

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments